May 2020
901134-001
Rev 00

TouchTunes
An OCTAVE GROUP Company

QSC KS112 Subwoofer Installation Guide

Purpose

This document explains how to install the QSC KS112 Subwoofer kit (P/N 600311-001).

Audience

- TouchTunes jukebox operators and technicians
- TouchTunes Field Service and Customer Support

Estimated Time

15 minutes

Required Personnel

1 technician

Tasks

This document includes tasks of the following type:

☐	Software
☐	Electrical
☑	Hardware

Topics

- Required Equipment
- Optional Equipment
- Safety Information
- Included in the Kit
- System Power Sequencing Recommendations
- Installing the QSC KS112 Subwoofer
- Contacting TouchTunes Technical Support

Required Equipment

- Cat 5 network cable

Optional Equipment

If you want to run the system in stereo, you need to order a second XLR to RCA cable (P/N 300071-001) from TouchTunes.

The following item can be ordered online from Amazon or various audio outlets (through the QSC website):

- QSC LOC Lock Out Cover for KS Series Speakers (screw-down tamper-proof cover for LCD Menu and input gains)

Lock out cover for the subwoofer

Safety Information

Refer to the “Important Safety Instructions” section of the user manual provided with the subwoofer for safety-related information.

Included in the Kit

Ensure that you have received all the required parts before proceeding with this installation.

Part	Quantity	TouchTunes Part # (P/N)
Subwoofer KS112-NA (includes power cable and user manual)	1	700806-001
Cable, Hosa XRM105 XLR to RCA (5 ft)	1	300071-001
PER, Line-Out Interface, Blue	1	700168-002
QSC KS112 Subwoofer Installation Guide (this document)	1	901134-001

System Power Sequencing Recommendations

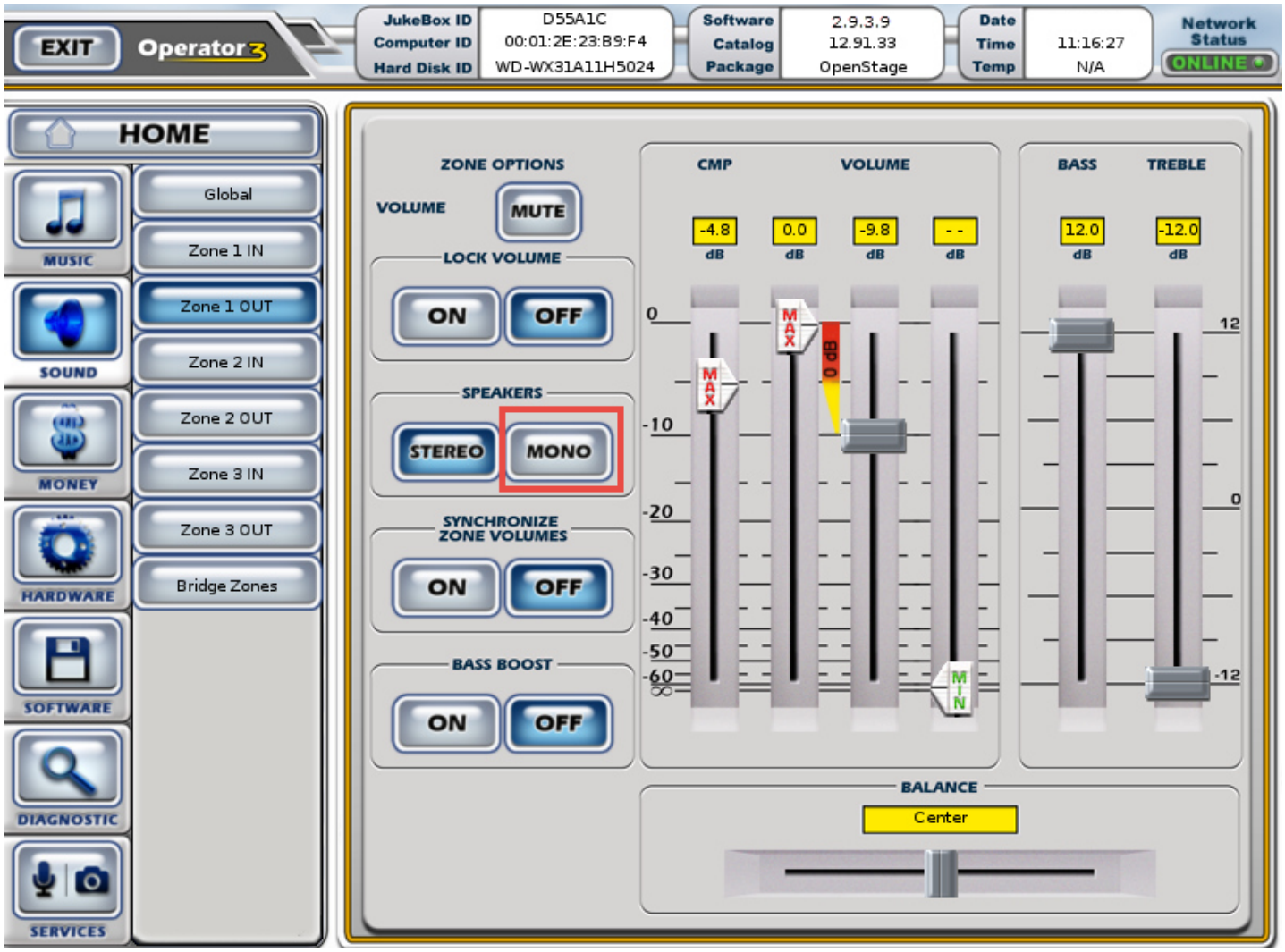
This is a recommendation as to power sequencing to minimize loud pops out of the system. Proper power sequencing at turn on and turn off can help prevent audible thumps, clicks, and other noises in the system. Always follow the rule that loudspeakers are last on and first off.

Installing the QSC KS112 Subwoofer

NOTE	TouchTunes does not recommend wall mounting or suspending the subwoofer.

1. Press the **MNGR** button on the I/O Board to open the Operator interface.
2. Determine which Zone output you will be connecting the subwoofer on.

3. Set that zone's audio to Mono on the SOUND → Zone # OUT Operator screen (where # is the zone number in which the subwoofer is to be installed). Zone 1 OUT is shown in the following figure and the MONO button is highlighted.



SOUND → Zone # OUT Operator screen (Zone 1 shown)

NOTE	If you want to run the system in stereo, you must order a second XLR to RCA cable (P/N 300071-001) from TouchTunes. If you have a second XLR to RCA cable, omit the previous step (that is, do not set the speaker mode to "MONO").

4. Lower the zone volume on the same screen. Use the touchscreen or the wired remote to lower the volume.
5. On the same screen, make sure that BASS BOOST is set to "OFF".
6. Power off the sound system if one is installed.
7. Connect one end of the Cat 5 cable to the jukebox for the zone determined for the subwoofer (the connection is typically found on the I/O Board of the jukebox or on its computer for MJS and JCB installations).
8. Run your Cat 5 cable to the location determined for the subwoofer.

NOTE	TouchTunes does not recommend wall mounting or suspending the subwoofer.

9. Connect the Cat 5 cable to the blue DI box.

Line-Out DI box - network connectors

10. Locate and unpack the Hosa XLR to RCA cable.

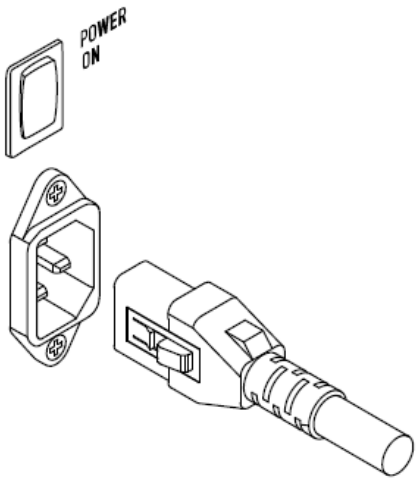
Hosa XLR to RCA cable

11. Connect the Hosa XLR to RCA cable to the DI box. If you purchased a second XLR to RCA cable in order to run the system in stereo, connect it to the DI box as well.

Line-Out DI box - RCA connectors

12. Route the cable(s) through the back of the jukebox.
13. Connect the Hosa XLR to RCA cable to the subwoofer input (LINE IN A or B) (the inputs are summed so if the jukebox is in mono, only one connection is required). If you purchased a second XLR to RCA cable in order to run the system in stereo, connect it to the second LINE IN.
14. Make sure the gain dial on the subwoofer in set to the off position.

15. Connect the power cable provided with the subwoofer to its back panel.



Subwoofer power connection

16. Connect the other end of the power cable to an AC Mains.
17. Power the sound system back on if one was powered off in step 6.
18. Use the rocker switch on the back of the subwoofer to power it on. The blue LED light on the front of the subwoofer should come on.
19. Play with the gain on the subwoofer and volume of its zone on the Sound → Zone # OUT Operator screen until you reach an acceptable volume level. The gain dial is highlighted in green in the following figure.

Gain dial on back of subwoofer

20. If you purchased the lock out cover, install it now to prevent unwanted access to the LCD screen and input gains.

You have now completed the installation of the subwoofer.

Contacting TouchTunes Technical Support

If you need help or have questions, call the TouchTunes Tech Line at 888-338-5853.

To help us assist you more effectively with problem reports, the following information may be required when contacting TouchTunes support:

- Jukebox model and ID
- Operator ID
- Serial number or part number of the component you believe to be defective
- Date/time of the problem
- Actions performed immediately before the problem occurred
- Any additional comments relevant to the problem

The Octave Music Group, Inc.
7250 Mile End, Suite 202
Montreal, Quebec,
Canada, H2R 3A4

The Octave Music Group, Inc.
850 Third Ave, 15th Floor
New York, NY 10022
USA

Technical Support
888-338-5853
www.touchtunes.com

Copyright © 2020 The Octave Music Group, Inc. (formerly known as TouchTunes Interactive Networks, Inc.)